

Unix Commands Cheat Sheet

File and Directory Management

``pwd`` → Print current working directory
``ls`` → List files and directories
``cd`` → Change directory
``mkdir`` → Create directory
``rmdir`` → Remove empty directory
``touch`` → Create empty file / update timestamp
``rm`` → Remove file
``cp`` → Copy files/directories
``mv`` → Move or rename file/directory

File Viewing and Editing

``cat`` → Show file content
``more`` / ``less`` → View file page by page
``head`` → Show first 10 lines
``tail`` → Show last 10 lines
``tail -f`` → Monitor file continuously
``nano`` / ``vi`` → Edit file

File Permissions

``chmod`` → Change permissions
``chown`` → Change owner

Searching and Finding

``find -name`` → Find files
``grep`` → Search text in file
``grep -r`` → Recursive search

Process and System Info

``ps`` / ``ps -ef`` → Show processes
``top`` → Live process & CPU/memory usage
``kill`` → Kill process
``whoami`` → Show current user
``uname -a`` → System info
``date`` → Current date/time
``cal`` → Calendar

Compression & Archiving

``tar -cvf archive.tar`` → Create tar
``tar -xvf archive.tar`` → Extract tar
``gzip`` / ``gunzip`` → Compress/Decompress

Networking

`ping` → Test connectivity

`ifconfig` / `ip addr` → Network info

`scp user@host:/path/` → Copy file to remote

`ssh user@host` → Connect to remote host